

Nalco Docket No.: 7560-NES
Customer No. 000049459

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CLAIMS

1. (currently amended) A polymeric composition comprising: the reaction product of an amine having two reactive amino hydrogens selected from the group consisting of; 2-(2-aminoethoxy) ethanol; and tris(hydroxymethyl)aminomethane and mixtures thereof;
 $\text{CH}_3\text{OCH}_2\text{CH}_2\text{O}[\text{CH}(\text{CH}_3)\text{CH}_2\text{O}]_n\text{CH}_2\text{CH}(\text{NH}_2)\text{CH}_3$; $\text{CH}_3\text{O}(\text{CH}_2\text{CHR-O})_n\text{CH}_2\text{CH}(\text{CH}_3)\text{NH}_2$; $\text{CH}_3\text{O}(\text{CH}_2\text{CH}_2\text{O})_n(\text{CH}_2\text{CHR-O})_n\text{CH}_2\text{CH}(\text{CH}_3)\text{NH}_2$, where R is H or CH_3 and n is at least one; and a glycidyl ether compound selected from the group consisting of diglycidyl ethers of aliphatic diols, triglycidyl ethers of aliphatic triols, and tetraglycidyl ethers of aliphatic polyols, or mixtures thereof.
2. (previously presented) The polymeric composition of claim 1 further comprising a second amine monomer having two reactive amino hydrogens and a tertiary amine group.
3. (previously presented) The polymeric composition of claim 2 further comprising an amine capping monomer, having one or two reactive amino hydrogens, reacted with terminal epoxy groups.
4. (original) The polymeric composition of claim 3 wherein the amine capping monomer is selected from the group consisting of diethanolamine, N,N,N'-(trimethyl)-1,3-propanediamine, N-Methyl-D-glucamine and mixtures thereof.
5. (currently amended) The polymeric composition of claim 1 ~~2~~ wherein the diglycidyl ether diol is selected from the group consisting of the diglycidyl ether of neopentyl glycol, diglycidyl ether of 1,4 butanediol, diglycidyl ether of ethylene glycol, diglycidyl ether of polyethylene glycol having a number average molecular weight, Mn, of about 526, and mixtures thereof, and a ~~the~~ second amine monomer ~~consisting of~~ is (dimethylamino)-propylamine.
6. (original) The polymeric composition of claim 4 further comprising an N-alkylating agent reacted with amine groups.

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7. (original) The polymeric composition of claim 6 wherein the N-alkylating agent is an epihalohydrin-containing group.
8. (original) The polymeric composition of claim 7 wherein the halogen is chlorine.
9. (original) The polymeric composition of claim 6 wherein the N-alkylating agent further comprises a polyoxyalkylene group.
10. (original) The polymeric composition of claim 9 wherein the polyoxyalkylene group is selected from the group consisting of polyethoxy-containing groups, polypropyloxy-containing groups and mixtures thereof.
11. (original) The polymeric composition of claim 10 wherein the polyoxyalkylene group has a propoxy to ethoxy ratio of from 9 to 1 to about 1 to 9.
12. (original) The polymeric composition of claim 9 wherein the polyoxyalkylene group is methoxy-capped polyethylene oxide.
13. (original) The polymeric composition of claim 6 wherein the N-alkylating agent containing group is an epichlorohydrin capped polyoxyalkylene glycol methyl ether.
14. (original) The polymeric composition of claim 6 further comprising at least one C₁ to C₁₆ alcohol and at least one acid-containing compound.
15. (previously presented) A polymeric composition comprising: the reaction product of a first amine-containing monomer having two reactive amino hydrogens, a second amine-containing monomer having two reactive amino hydrogens and at least one tertiary amine group, and a diglycidyl ether of an aliphatic diol.
16. (previously presented) The polymeric composition according to claim 15 wherein an amine capping monomer having one or two reactive amino hydrogens is subsequently reacted with terminal epoxy groups on the linear polymeric reaction product.

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17. (original) The polymeric composition according to claim 16 wherein the amine capping monomer is selected from the group consisting of diethanolamine, N, N, N'- (trimethyl)-1,3-propanediamine, N-methyl-D-glucamine and mixtures thereof.
18. (original) The polymeric composition according to claim 17 wherein the amine capping monomer further comprises at least one tertiary amine group.
19. (original) The polymeric composition according to claim 18 further comprising an N-alkylating agent containing group reacted with amine groups.
20. (original) The polymeric composition according to claim 19 wherein the N-alkylating agent comprises an epihalohydrin-containing group.
21. (original) The polymeric composition according to claim 20 wherein the halo-group is chlorine or bromine.
22. (original) The polymeric composition according to claim 19 wherein the N-alkylating agent containing group further comprises a polyoxyalkylene group.
23. (original) The polymeric composition according to claim 22 wherein the polyoxyalkylene group is selected from polyethoxy-containing groups, polypropyloxy-containing groups and mixtures thereof.
24. (original) The polymeric composition according to claim 22 wherein the polyoxyalkylene group is methoxy capped polyethylene oxide.